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Signature

PTO/SB/21 (08-03) Approved for use through 08/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/709,462 **TRANSMITTAL** Filing Date 05/07/2004 **FORM** First Named Inventor Hou-Wei Lin Art Unit (to be used for all correspondence after initial filing) Examiner Name Attomey Docket Number 14 REAP0033USA Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation
Change of Correspondence Address Status Letter Affidavits/declaration(s) Other Enclosure(s) (please Terminal Disclaimer **Extension of Time Request** Identify below): Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Winston Hsu, Reg. No.: 41,526 Individual name Signature Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TO AND	CNAITTAI	Complete if Known		
FEE TRANS	DIVILLIAL	Application Number	10/709,462	
for FY	2004	Filing Date	05/07/2004	
Effective 10/01/2003. Patent fees are		First Named Inventor	Hou-Wei Lin	
		Examiner Name		
Applicant claims small entity status	. See 37 CFR 1.27	Art Unit		<u></u>
TOTAL AMOUNT OF PAYMENT	(\$) 0.00 .	Attorney Docket No.	REAP0033USA	

Attorney Bocket No. NEAR 003305A							
METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued)							
Check Credit card Money Other None	3. ADDITIONAL FEES						
Order Order	Large Entity Small Entity						
Deposit Cooking	Fee Fee Fee Fee Fee Description						
Account 50-3105	Code (\$) Code (\$) Fee Paid 1051 130 2051 65 Surcharge - late filing fee or oath						
Number Deposit	1051 130 2051 05 Surcharge - late filling fee of dath						
Account Name North America Intellectual Property Corp.	cover sheet						
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification						
Charge fee(s) indicated below	1812 2,520 1812 2,520 For filing a request for ex parte reexamination						
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action						
Charge fee(s) indicated below, except for the filing fee	1805 1,840* 1805 1,840* Requesting publication of SIR after						
to the above-identified deposit account.	Examiner action						
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month						
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month						
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month						
Fee Fee Fee Fee Pee Paid Code (\$) Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month						
1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month						
1002 340 2002 170 Design filing fee	1401 330 2401 165 Notice of Appeal						
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal						
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing						
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding						
	1452 110 2452 55 Petition to revive - unavoidable						
SUBTOTAL (1) (\$) 0.00	1453 1,330 2453 665 Petition to revive - unintentional						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,330 2501 665 Utility issue fee (or reissue)						
Fee from Extra Claims below Fee Paid	1502 480 2502 240 Design issue fee						
Total Claims X =	1503 640 2503 320 Plant issue fee						
Independent Claims - 3** = X =	1460 130 1460 130 Petitions to the Commissioner						
Multiple Dependent	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)						
Large Entity Small Entity	1806 180 1806 180 Submission of Information Disclosure Stmt						
Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per						
1202 18 2202 9 Claims in excess of 20	property (times number of properties) 1809 770 2809 385 Filing a submission after final rejection						
1201 86 2201 43 Independent claims in excess of 3	(37 CFR 1.129(a))						
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be						
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE)						
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application						
	Other fee (specify)						
SUBTOTAL (2) (\$) 0.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00						
**or number previously paid, if greater; For Reissues, see above	- 305101AE (3) ((\$) 0.00 1						

SUBMITTED BY							(Complete (if applicable))	
Name (Print/Type)	Winston Hsu		1. —		gistration No. omey/Agent)	41,526	Telephone	88628923735	0
Signature			Min	on	6	21	Date	5//3/	12000
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PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449B/PTO				Complete if Known			
	·	- 10	OL OCUPE	Application Number	10/709,462		
INFORMATION DISCLOSURE				Filing Date	05/07/2004		
STATEMENT BY APPLICANT				First Named Inventor	Hou-Wei Lin		
				Group Art Unit			
	(use as many she	ets a	s necessary)	Examiner Name			
Sheet	1	of	1	Attorney Docket Number	REAP0033USA		

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
No. 1 tolumber 1	1	GIORGIO PICCHI, GIANCARLO PRATI; Blind Equalization and Carrier Recovery Using a "Stop-and-Go" Decision-Directed Algorithm; IEEE transactions on commulcations; September 1987; page 877-page 887; VOL. COM-35, NO. 9			
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Examiner	Date	
Signature	 Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.